



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

POST OFFICE BOX Y, OAK RIDGE, TENNESSEE

To (Name) Mr. T. E. Lane
Company Building K-1001
Location ORDCP

Date January 14, 1964

Originating Dept.

Answering letter date

Copy to Mr. J. P. Murray
Dr. J. A. Swartout
Mr. R. G. Jordan
Mr. G. A. Strasser
File

Subject USPHS Water Samples,
Clinch River

Copy Fwd. by MER, 1-21-64
TALincoln

Reference is made to a request by the AEC to review possible sources of lead in stream effluents in light of a high sample detected at a USPHS sampling station on the Clinch River.

Composites of water effluents from east fork of Poplar Creek are analyzed weekly as a matter of routine procedure. Inspection of the results for the period indicated, April to June 1963, shows all results to be less than 0.1 ppm at all times except June 7 and June 21, 1963, which ran 0.2 and 0.15 ppm respectively. Considering the downstream dilution between the Y-12 Plant and Clinch River, it is inconceivable that these concentrations could have contributed to a single high result in the Clinch River. We thus feel that Y-12 has not contributed to this effect.

R. F. HIBBS

R. F. Hibbs

JDM:mv

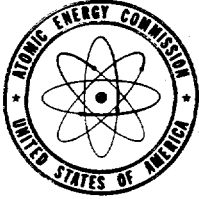
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Daniel R. Harn
Technical Information Officer
ORNL Site

12/15/95
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ChemRisk Document No. 2652



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UNITED STATES
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J. A. Swartout - 3
J. P. Murray-3

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Oak Ridge, Tennessee
January 27, 1964

Director's Files, 1964
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Nuclear Division
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Forwarded
C. E. L.

Attention: Dr. C. E. Larson, Vice President

Subject: USPHS WATER SAMPLING - CLINCH RIVER, II.

Gentlemen:

Reference is made to our letter dated January 3, 1964, wherein we reported a finding by the USPHS of lead above recommended limits in a sample composited in the second quarter of 1963. This sampling was at the USPHS National Water Quality Network station No. 106, located near the ORGDP water intake on the Clinch River.

We are pleased to state that a more recent communication from USPHS reports for the October 1963, composite sampling at this station a significantly lower reading well below the recommended limit. The PHS found a concentration of 10 parts per billion of lead and two parts per billion of chromium. They also indicate they have found chromium before, but always at low levels. These new figures compare with the USPHS Drinking Water Standards of 1962 of 50 parts per billion for both lead and chromium.

We thank you for your interest.

Very truly yours,

S. R. Sapirie
Manager
Oak Ridge Operations

CC: R. C. Armstrong
C. A. Keller
H. M. Roth

This document has been approved for release
to the public by:

David R. Harris
Technical Information Officer
ORNL Site

12/15/65
Date

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE:

USPHS Water Sampling, Clinch River

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AUTHOR(S):

R.F. Hibbs
S.R. Sapirie

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SOURCE/LOCATION OF DOCUMENT:

~~Director's Files~~

1964: Health Division - General

Folder

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Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE:

BY:

InMagic No.

KEYWORDS:

water

lead

chromium

ABSTRACT:

Two ~~letters~~ ^{memos} discussing the possible sources of lead in stream effluents ^{in the second quarter of 1963}. The discussion follows the detection of a high sample at a USPH sampling station on the Clinch River near the ORGDP water intake. The first ~~letter~~ ^{memo} indicates that the source couldn't have been Y-12 since the lead concentrations in East Fork Poplar Creek during this period were low. The second memo indicates that more recent USPHS reports show lead levels have dropped. The second memo ~~also~~ mentions sampling for chromium.

REVIEWER:

G.M. Bruce

DATE REVIEWED:

2/18/96

* * * TRANSMISSION RESULT REPORT (SEP.16.1997 1:35PM) * * *

TTI MCLAREN HART 216-360-2156

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